

**WE CLAIM:**

1. A supporting member of a dispensing valve assembly comprising:  
a main body having at least one longitudinal edge;  
a flexible flap disposed along the longitudinal edge;  
the flexible flap cooperating with a sealing portion of the dispensing valve assembly and distributing an interference force exerted by the main body on the sealing portion, wherein the sealing portion is prevented from being damaged or deformed.
2. A supporting member of a dispensing valve assembly comprising:  
a main body having a first longitudinal edge and a second longitudinal edge;  
the first and second longitudinal edges being oppositely disposed on the supporting member;  
a first flexible flap disposed along the first longitudinal edge and a second longitudinal flap disposed along the second longitudinal edge;  
the first and second flexible flaps each cooperating with a sealing portion of the valve assembly and each distributing an interference force exerted by the main body of the supporting member on the sealing portion, wherein the sealing portion is prevented from being damaged or deformed.
3. The supporting member according to claim 1, wherein the supporting member is disposed within a housing of the dispensing valve assembly.
4. The supporting member according to claim 1, wherein the flexible flap is a resilient flexible flap.
5. The supporting member according to claim 1, wherein the flexible flap is integrally formed on the supporting member.

6. The supporting member according to claim 1, wherein the flexible flap is formed of a generally radius shape.

7. A dispensing valve assembly comprising:  
a housing defining a longitudinal first fluid passageway through the housing;  
an insert member having a sealing portion, the insert member being insertable into the housing and defining a second fluid passageway in fluid communication with the fluid passageway of the housing;

a poppet valve having a supporting member being disposed along the first fluid passageway and in fluid communication with the first and second fluid passageways,  
the supporting member including a main body having at least one longitudinal edge;

a flexible flap disposed along the longitudinal edge;

the flexible flap cooperating with a sealing portion of the insert member and distributing an interference force exerted by the main body on the sealing portion, wherein the sealing portion is prevented from being damaged or deformed.

8. The dispensing valve assembly according to claim 7, wherein the poppet valve having a head portion and defining at least one opening between the main body and the flexible flap of the supporting member.

9. The dispensing valve assembly according to claim 8, wherein the head portion projects into the insert member when the insert member is inserted into the housing in an open configuration, enabling fluid flow through the first and second fluid passageways and the at least one opening between the main body and the flexible flap of the supporting member.

10. The dispensing valve assembly according to claim 8, wherein the head portion retracts from the insert member when the insert member is pulled from the

housing in a closed configuration preventing fluid flow through the first and second fluid passageways and the at least one opening between the main body and the flexible flap of the supporting member.